

Please amend the claims as follows.



Claims 1-16: Canceled

1 17. (currently amended) A method of making lugs for joints in a bicycle frame made of
 2 carbon fiber tubes,
 3 the method comprising the steps of:
 4 making a lay-up of at least carbon fibers and a matrix material around the joint,
 5 applying a mold to the tubes and laid-up fibers and matrix material, and
 6 curing the lug in the mold, the cure including expansion of an element ~~enclosed~~
 7 by the mold located between the mold and the tubes.

1 18. (currently amended) The method set forth in claim 17 wherein:
 2 the mold is a captured silicon mold; and
 3 in the step of curing the lug in the mold, the element is the captured silicone
 4 ~~includes expansion of the captured silicon.~~

1 19. (currently amended) The method set forth in claim 17 wherein:
 2 the step of making the lay-up includes the step of including a layer of expanding
 3 foam in the lay-up; and
 4 in the step of curing the lug in the mold, ~~the cure includes expansion of the~~
 5 element is the expanding foam.

1 20. (original) The method set forth in claim 17 wherein:
 2 the step of making a lay-up includes the steps of:
 3 wrapping each tube in the joint with a first carbon fiber fabric that is impregnated
 4 with the matrix material, the ends of the fabric extending beyond the tube;
 5 wrapping the ends of the carbon fiber fabric that is wrapped around a given tube
 6 around the tube the given tube joins to;
 7 wrapping the entire joint in a second carbon fiber fabric whose fibers have an
 8 orientation different from that of the fibers in the first carbon fiber fabric.

1 **21.** (original) The method set forth in claim 20 wherein:
2 the step of making a lay-up further includes the step of:
3 including a layer of expanding foam in the lay-up.

1 **22.** (original) The method set forth in claim 21 wherein:
2 the step of including a layer of expanding foam is performed before the step of
3 wrapping the entire joint in a second carbon fiber fabric.

1 **23.** (original) The method set forth in claim 20 wherein:
2 the step of wrapping the entire joint is done such that all seams in the second
3 carbon fiber fabric are at the top and bottom of the tubes and the second carbon fiber
4 fabric is overlapped at the seams.